

ABSTRACT

A liquid crystal electro-optical device comprising a pair of substrates at least one of them is light-transmitting, electrodes being provided on said substrates, and an electro-optical modulating layer being supported by said pair of substrates, provided that said electro-optical modulating layer comprises an anti-ferroelectric liquid crystal material or a smectic liquid crystal material which exhibits anti-ferroelectricity, and a transparent material.